

AMENDMENTS TO THE CLAIMS

1-8. (Cancelled)

9. (New) A power generating wind turbine comprising:

a nacelle supported by a tower;

a main shaft connected to a wind turbine rotating blade at a front side of a wall portion of said nacelle;

a generator housed within said nacelle; and

a gear-box for increasing a rotational speed of an output shaft of said gearbox to drive said generator, said gear-box being housed within said nacelle,

wherein said main shaft is connected to an input shaft of said gear-box, and said main shaft is supported by said wall portion of said nacelle via a single double-row tapered roller bearing provided coaxially with said main shaft, said single double-row tapered roller bearing being positioned at the front side of said wall portion and at an axial end portion of said main shaft.

10. (New) A power generating wind turbine according to claim 9, wherein said main shaft has an annular or disk shape and an outer diameter of said main shaft is larger than an axial directional length of said main shaft.

11. (New) A power generating wind turbine according to claim 10, wherein said main shaft and said input shaft of said gear-box are connected to each other via a coupling.

12. (New) A power generating wind turbine according to claim 9, wherein said main shaft and said input shaft of said gear-box are connected to each other via a coupling.

13. (New) A power generating wind turbine comprising:

a nacelle supported by a tower;

a main shaft connected to a wind turbine rotating blade at a front side of a wall portion of said nacelle;

a generator housed within said nacelle; and

a gear-box for increasing a rotational speed of an output shaft of said gearbox to drive said generator, said gear-box being housed within said nacelle,

wherein said main shaft is connected to an input shaft of said gear-box, and said main shaft is supported by said wall portion of said nacelle via a single three-row roller bearing provided coaxially with said main shaft, said single three-row roller bearing having a first row of rollers for receiving a radial load and second and third rows of rollers for receiving a thrust load, said single three-row roller bearing being positioned at the front side of said wall portion and at an axial end portion of said main shaft.

14. (New) A power generating wind turbine according to claim 13, wherein said main shaft has an annular or disk shape and an outer diameter of said main shaft is larger than an axial directional length of said main shaft

15. (New) A power generating wind turbine according to claim 14, wherein said main shaft and said input shaft of said gear-box are connected to each other via a coupling.

16. (New) A power generating wind turbine according to claim 13, wherein said main shaft and said input shaft of said gear-box are connected to each other via a coupling.